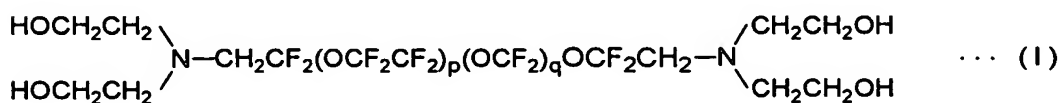


# CLAIMS

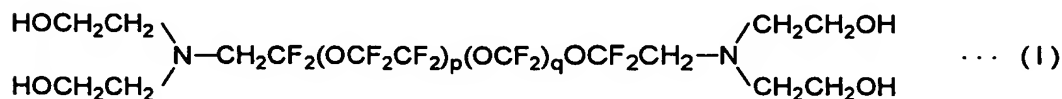
1. A magnetic recording disk comprising a substrate, a magnetic layer formed on the substrate, a protective layer formed on the magnetic layer and a lubricant layer formed on the protective layer, the lubricant layer containing a compound (A) of the general formula (I),



wherein each of p and q is an integer of 1 or more, and

a compound (B) having a perfluoropolyether main chain having two end moieties each of which contains a carbon atom or an oxygen atom to which a hydroxyl-containing hydrocarbon group that optionally contains an ether bond(s) is bonded.

2. A magnetic recording disk comprising a substrate, a magnetic layer formed on the substrate, a protective layer formed on the magnetic layer and a lubricant layer formed on the protective layer, the lubricant layer being formed of a mixture of a compound (A) of the general formula (I),

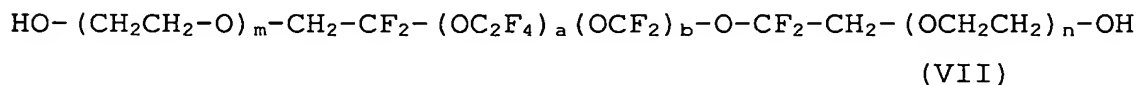
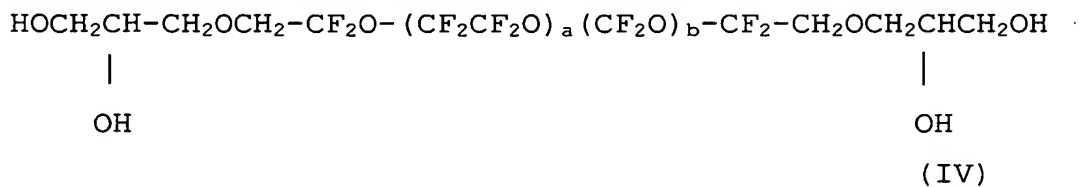
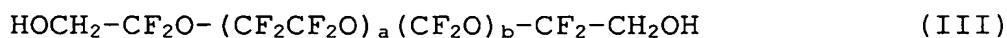
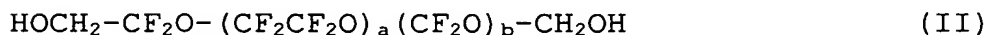


wherein each of p and q is an integer of 1 or more, and

a compound (B) having a perfluoropolyether main chain having two end moieties containing a carbon atom or an oxygen atom to which a hydroxyl-containing hydrocarbon

group that optionally contains ether bond(s) is bonded.

3. The magnetic recording disk of claim 1 or 2, wherein the compound (B) represents at least one compound selected from compounds of the general formulae (II), (III), (IV) and (VII),



wherein each of a, b, m and n is an integer of 1 or more.

4. The magnetic recording disk of claim 1, 2 or 3, wherein the lubricant layer contains the compound (A) and the compound (B) in a weight ratio of 2:8 to 8:2.

5. The magnetic recording disk of any one of claims 1 to 4, wherein the compound (A) has a weight average molecular weight (Mw) of 2,000 to 7,000 and has a polydispersity, represented by weight average molecular weight (Mw)/number average molecular weight (Mn), of 1.1 or less.

6. The magnetic recording disk of any one of claims 1 to 5, wherein the compound (B) has a weight average

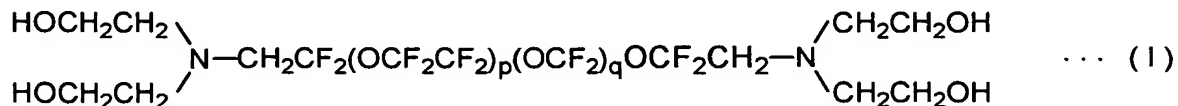
molecular weight (Mw) of 2,000 to 7,000 and has a polydispersity, represented by weight average molecular weight (Mw)/number average molecular weight (Mn), of 1.2 or less.

7. The magnetic recording disk of any one of claims 1 to 6, which is for a hard disk drive unit in a load unload method.

8. The magnetic recording disk of any one of claims 1 to 7, wherein said protective layer is a carbon-containing protective layer formed by a plasma CVD method.

9. The magnetic recording disk of any one of claims 1 to 8, said lubricant layer coats the surface of said protective layer and has a coverage ratio  $\beta$  of 0.85 to 1.

10. A process for the manufacture of a magnetic recording disk comprising a substrate, a magnetic layer formed on the substrate, a protective layer formed on the magnetic layer and a lubricant layer formed on the protective layer, the process comprising mixing a compound (A) of the general formula (I),



wherein each of p and q is an integer of 1 or more, with a compound (B) having a perfluoropolyether main chain having two end moieties containing a carbon atom or an oxygen atom to which a hydroxyl-containing hydrocarbon group that optionally contains ether bond(s) is bonded, and forming the said lubricant layer from the thus-obtained

mixture.